TASDIQLAYMAN
Toshkent davlat tibbiyot
Universiteti Rektori
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“____” _____

Universitetning mavjud binolarida energiya samaradorligini oshirish bo‘yicha chora-tadbirlar rejasini tasdiqlash to‘g‘risida

Universitetning mavjud o‘quv, ma’muriy, ilmiy va boshqa binolarida energiya resurslaridan oqilona foydalanish, energiya sarfini kamaytirish, bino va muhandislik tizimlarining energiya samaradorligini bosqichma-bosqich yaxshilash hamda barqaror kampus infratuzilmasini rivojlantirish maqsadida,

BUYURAMAN:

1. Universitetning mavjud binolarida energiya samaradorligini oshirish bo‘yicha chora-tadbirlar rejasi 1-ilovaga muvofiq tasdiqlansin.
2. Universitet binolarining energiya iste’moli, yoritish, isitish, sovitish, shamollatish va boshqa muhandislik tizimlarining holati mavjud texnik hujjatlar hamda foydalanish ma’lumotlari asosida bosqichma-bosqich o‘rganib chiqilsin.
3. O‘rganish natijalariga ko‘ra energiya sarfi yuqori bo‘lgan binolar va tizimlar aniqlanib, modernizatsiya ishlari ustuvorlik, texnik imkoniyat va moliyaviy resurslardan kelib chiqib rejalashtirilsin.
4. Chora-tadbirlar doirasida quyidagi yo‘nalishlarga alohida e’tibor qaratilsin: energiya tejamkor LED yoritish tizimlariga o‘tish; isitish, sovitish va shamollatish uskunalarining samaradorligini oshirish; elektr energiyasi hisobini yuritish va monitoring qilish vositalarini takomillashtirish; bino konstruksiyalarining issiqlik izolyatsiyasini yaxshilash imkoniyatlarini ko‘rib chiqish; texnik-iqtisodiy jihatdan maqsadga muvofiq bo‘lganda qayta tiklanuvchi energiya manbalarini joriy etish.
5. Xo‘jalik va infratuzilma masalalariga mas’ul tarkibiy bo‘linma chora-tadbirlar rejasini muvofiqlashtirsin, binolar holati va energiya iste’moli bo‘yicha ma’lumotlarni jamlasin hamda amalga oshirish yuzasidan takliflar kiritsin.
6. Kapital qurilish va ta’mirlashga mas’ul tarkibiy bo‘linma rejalashtirilayotgan ta’mirlash va modernizatsiya ishlarida energiya samaradorligi yechimlari hisobga olinishini ta’minlasin.
7. Moliya-iqtisodiyotga mas’ul tarkibiy bo‘linma tegishli takliflarni ko‘rib chiqishda chora-tadbirlarning taxminiy xarajatlari va moliyalashtirish imkoniyatlarini amaldagi tartibda baholasin.
8. Mas’ul tarkibiy bo‘linmalar amalga oshirilgan ishlar, o‘rnatilgan uskunalar va mavjud bo‘lgan energiya iste’moli ko‘rsatkichlari bo‘yicha tasdiqlovchi hujjatlarni saqlasin hamda so‘rovga ko‘ra taqdim etsin.

9. Chora-tadbirlar rejasining ijrosi va natijalari bo‘yicha monitoring olib borilsin. Aniqlangan ehtiyojlar va mavjud resurslardan kelib chiqib rejaga belgilangan tartibda aniqlik va qo‘shimchalar kiritilishi mumkin.

1-ILOVA

UNIVERSITETNING MAVJUD BINOLARIDA ENERGIYA SAMARADORLIGINI OSHIRISH BO‘YICHA CHORA-TADBIRLAR REJASI

1. Maqsad

Mavjud universitet binolarida energiya iste’molini oqilona boshqarish, energiya yo‘qotishlarini kamaytirish va bino hamda muhandislik tizimlarining energiya samaradorligini bosqichma-bosqich yaxshilash.

2. Ustuvor chora-tadbirlar

1. Binolar va energiya iste’molini dastlabki o‘rganish. Binolar kesimida mavjud energiya iste’moli ma’lumotlarini, yoritish, isitish, sovitish va shamollatish tizimlarining holatini o‘rganish; energiya sarfi yuqori obyektlarni aniqlash.

2. LED yoritish tizimlariga bosqichma-bosqich o‘tish. An’anaviy yoritish moslamalarini texnik holati va iqtisodiy samaradorligidan kelib chiqib energiya tejamkor LED yoritgichlarga almashtirish imkoniyatlarini ko‘rib chiqish.

3. Isitish, sovitish va shamollatish tizimlarini takomillashtirish. Mavjud uskunalarning texnik holatini baholash, sozlash va texnik xizmat ko‘rsatish, zaruratga ko‘ra energiya samaradorligi yuqori uskunalarga almashtirish bo‘yicha takliflar tayyorlash.

4. Energiya hisobini yuritish va monitoring. Elektr energiyasi va boshqa energiya resurslari iste’moli bo‘yicha mavjud hisob ma’lumotlarini tizimlashtirish; imkoniyatga qarab hisoblagichlar va monitoring vositalarini takomillashtirish.

5. Issiqlik izolyatsiyasini yaxshilash. Deraza, eshik, tom va tashqi konstruksiyalardagi issiqlik yo‘qotishlarini o‘rganish hamda ta’mirlash ishlari doirasida tegishli yechimlarni ko‘rib chiqish.

6. Qayta tiklanuvchi energiya imkoniyatlarini baholash. Binolarning texnik sharoiti, joylashuvi va iqtisodiy asoslanganligidan kelib chiqib quyosh panellari yoki boshqa qayta tiklanuvchi energiya texnologiyalarini kengaytirish imkoniyatlarini baholash.

7. Natijalarni hujjatlashtirish va hisobot. Amalga oshirilgan modernizatsiya ishlari, o‘rnatilgan uskunalar, texnik hujjatlar hamda mavjud energiya iste’moli ma’lumotlarini jamlash va davriy tahlil qilish.

3. Amalga oshirish tamoyillari

1. Chora-tadbirlar binolarning texnik holati, energiya iste’moli, foydalanish jadalligi va mavjud moliyaviy resurslardan kelib chiqib bosqichma-bosqich amalga oshiriladi.
2. Har bir modernizatsiya taklifi bo‘yicha texnik zarurat, kutilayotgan energiya tejalishi va xarajatlar imkon qadar oldindan baholanadi.

3. Amalga oshirilmagan ishlar bajarilgan deb ko‘rsatilmaydi; rejalashtirilgan, bajarilayotgan va yakunlangan tadbirlar alohida qayd etiladi.

4. Monitoring

Mas’ul tarkibiy bo‘linmalar reja ijrosi to‘g‘risidagi ma’lumotlarni, bajarilgan ishlar dalolatnomalari, shartnomalar, texnik pasportlar, fotosuratlar va mavjud energiya iste’moli ko‘rsatkichlari bilan birga yuritadi. Natijalar universitet rahbariyatiga belgilangan tartibda taqdim etiladi.

APPROVED
Rector of Tashkent State Medical University
_____ Sh.A. Boymuradov
“ ” _____ 2025

ORDER

On Approving Measures to Improve the Energy Efficiency of Existing University Buildings

In order to promote the responsible use of energy resources in the University's existing academic, administrative, research and other buildings, reduce energy consumption, progressively improve the energy performance of buildings and engineering systems, and develop sustainable campus infrastructure,

I HEREBY ORDER:

1. The Measures Plan for Improving the Energy Efficiency of Existing University Buildings is hereby approved in accordance with Annex 1.

2. The energy consumption, lighting, heating, cooling, ventilation and other engineering systems of University buildings shall be reviewed progressively on the basis of available technical documentation and operational data.

3. Based on the review, buildings and systems with higher energy consumption shall be identified, and upgrades shall be prioritised according to urgency, technical feasibility and available financial resources.

4. Particular attention shall be paid to the following areas: transition to energy-efficient LED lighting; improvement of heating, cooling and ventilation equipment; enhancement of electricity metering and monitoring; consideration of improved thermal insulation of building structures; and adoption of renewable energy sources where technically and economically feasible.

5. The responsible unit for facilities and infrastructure shall coordinate the Measures Plan, compile information on building conditions and energy consumption, and submit proposals for implementation.

6. The unit responsible for capital construction and renovation shall ensure that energy-efficiency solutions are considered in planned repair and modernisation works.

7. The unit responsible for finance and economics shall, in accordance with established procedures, assess estimated costs and financing opportunities when considering relevant proposals.

8. Responsible University units shall retain supporting documents relating to completed works, installed equipment and available energy-consumption data and provide them upon request.

9. Implementation and results of the Measures Plan shall be monitored. The Plan may be updated in accordance with established procedures in light of identified needs and available resources.

ANNEX 1

MEASURES PLAN FOR IMPROVING THE ENERGY EFFICIENCY OF EXISTING UNIVERSITY BUILDINGS

1. Objective

To improve the management of energy consumption in existing University buildings, reduce energy losses and progressively improve the energy performance of buildings and engineering systems.

2. Priority Measures

1. Binolar va energiya iste'molini dastlabki o‘rganish. Binolar kesimida mavjud energiya iste'moli ma'lumotlarini, yoritish, isitish, sovitish va shamollatish tizimlarining holatini o‘rganish; energiya sarfi yuqori obyektlarni aniqlash.

2. LED yoritish tizimlariga bosqichma-bosqich o‘tish. An'anaviy yoritish moslamalarini texnik holati va iqtisodiy samaradorligidan kelib chiqib energiya tejamkor LED yoritgichlarga almashtirish imkoniyatlarini ko‘rib chiqish.

3. Isitish, sovitish va shamollatish tizimlarini takomillashtirish. Mavjud uskunalarning texnik holatini baholash, sozlash va texnik xizmat ko‘rsatish, zaruratga ko‘ra energiya samaradorligi yuqori uskunalarga almashtirish bo‘yicha takliflar tayyorlash.

4. Energiya hisobini yuritish va monitoring. Elektr energiyasi va boshqa energiya resurslari iste'moli bo‘yicha mavjud hisob ma'lumotlarini tizimlashtirish; imkoniyatga qarab hisoblagichlar va monitoring vositalarini takomillashtirish.

5. Issiqlik izolyatsiyasini yaxshilash. Deraza, eshik, tom va tashqi konstruksiyalardagi issiqlik yo‘qotishlarini o‘rganish hamda ta'mirlash ishlari doirasida tegishli yechimlarni ko‘rib chiqish.

6. Qayta tiklanuvchi energiya imkoniyatlarini baholash. Binolarning texnik sharoiti, joylashuvi va iqtisodiy asoslanganligidan kelib chiqib quyosh panellari yoki boshqa qayta tiklanuvchi energiya texnologiyalarini kengaytirish imkoniyatlarini baholash.

7. Natijalarni hujjatlashtirish va hisobot. Amalga oshirilgan modernizatsiya ishlari, o‘rnatilgan uskunalar, texnik hujjatlar hamda mavjud energiya iste'moli ma'lumotlarini jamlash va davriy tahlil qilish.

3. Implementation Principles

1. Measures shall be implemented progressively, taking into account the technical condition of buildings, energy consumption, intensity of use and available financial resources.
2. Where practicable, each modernisation proposal shall be assessed in advance in terms of technical need, expected energy savings and costs.

3. Measures shall not be reported as completed unless they have actually been implemented. Planned, ongoing and completed activities shall be recorded separately.

4. Monitoring

Responsible University units shall maintain implementation records supported, as applicable, by completion certificates, contracts, technical specifications, photographs and available energy-consumption data. Results shall be submitted to the University leadership in accordance with established procedures.